- - - - - - - -	6 101 31 31 9 90 71	"5727122" (codebook or codevector\$ or (code adj vector\$)) with band\$ ((codebook or codevector\$ or (code adj vector\$)) with band\$) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$)) with (band\$ or multiband\$)) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$))) and (speech with music with (coder or encoder)) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$)) same (band\$ or sub\$band\$)) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$)) same (band\$ or sub\$band\$)) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$)) same (band\$ or sub\$band\$)) and lpc and synthesi\$ and celp and @ad<19990615 ((codebook or codevector\$ or (code adj vector\$)) with (band\$ or sub\$band\$)) and	USPAT USPAT USPAT USPAT USPAT USPAT USPAT	2004/04/27 09:09 2004/04/27 09:10 2004/04/27 09:41 2004/04/27 09:54 2004/04/27 09:55 2004/04/27 09:56 2004/04/27 09:57
	31 9 90 71 24	vector\$)) with band\$ ((codebook or codevector\$ or (code adj vector\$)) with band\$) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$)) with (band\$ or multiband\$)) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$))) and (speech with music with (coder or encoder)) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$)) same (band\$ or sub\$band\$)) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$)) same (band\$ or sub\$band\$)) and lpc and synthesi\$ and celp and synthesi\$ and celp and @ad<19990615 ((codebook or codevector\$ or (code adj (codebook or codevector\$ or (code adj (codebook or codevector\$ or (code adj (codebook or codevector\$ or (code adj	USPAT USPAT USPAT USPAT	2004/04/27 09:41 2004/04/27 09:54 2004/04/27 09:55 2004/04/27 09:56
	31 9 90 71 24	vector\$)) with band\$) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$)) with (band\$ or multiband\$)) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$))) and (speech with music with (coder or encoder)) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$)) same (band\$ or sub\$band\$)) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$)) same (band\$ or sub\$band\$)) and lpc and synthesi\$ and celp and synthesi\$ and celp and synthesi\$ and celp and @ad<19990615 ((codebook or codevector\$ or (code adj	USPAT USPAT USPAT	2004/04/27 09:54 2004/04/27 09:55 2004/04/27 09:56
	9 90 71 24	((codebook or codevector\$ or (code adj vector\$)) with (band\$ or multiband\$)) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$))) and (speech with music with (coder or encoder)) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$)) same (band\$ or sub\$band\$)) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$)) same (band\$ or sub\$band\$)) and lpc and synthesi\$ and celp and synthesi\$ and celp and @ad<19990615 ((codebook or codevector\$ or (code adj	USPAT USPAT USPAT	2004/04/27 09:55
-	90 71 24	lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$))) and (speech with music with (coder or encoder)) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$)) same (band\$ or sub\$band\$)) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$)) same (band\$ or sub\$band\$)) and lpc and synthesi\$ and celp and @ad<19990615 ((codebook or codevector\$ or (code adj	USPAT	2004/04/27 09:56
-	90 71 24	vector\$))) and (speech with music with (coder or encoder)) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$)) same (band\$ or sub\$band\$)) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$)) same (band\$ or sub\$band\$)) and lpc and synthesi\$ and celp and @ad<19990615 ((codebook or codevector\$ or (code adj	USPAT	2004/04/27 09:56
-	71 24	<pre>((codebook or codevector\$ or (code adj vector\$)) same (band\$ or sub\$band\$)) and lpc and synthesi\$ and celp ((codebook or codevector\$ or (code adj vector\$)) same (band\$ or sub\$band\$)) and lpc and synthesi\$ and celp and @ad<19990615 ((codebook or codevector\$ or (code adj</pre>	USPAT	
-	24	vector\$)) same (band\$ or sub\$band\$)) and lpc and synthesi\$ and celp and @ad<19990615 ((codebook or codevector\$ or (code adj		2004/04/27 09:57
	5	((codebook or codevector\$ or (code adj		
- - - -	-	lpc and synthesi\$ and celp and @ad<19990615	USPAT	2004/04/27 13:37
- - -	-	"5978759"	USPAT	2004/04/27 14:15
- - -	2216	(bandwidth near5 (expan\$ or exten\$)) same (frequency or changes or number)	USPAT	2004/04/27 14:17
- - -	1116	(bandwidth near5 (expan\$ or exten\$)) with (frequency or changes or number)	USPAT	2004/04/27 14:18
-	1094	(bandwidth near5 (expan\$ or exten\$)) with (frequency or number)	USPAT	2004/04/27 14:18
-	185	(bandwidth near5 (expan\$ or exten\$)) with (number)	USPAT	2004/04/27 14:19
-	95	(bandwidth near5 (expan\$ or exten\$)) with (based or basis)	USPAT	2004/04/27 14:20
	262	(bandwidth near5 (expan\$ or exten\$)) with (rate)	USPAT	2004/04/27 14:20
-	129	<pre>(bandwidth near5 (expan\$ or exten\$)) near4 (rate)</pre>	USPAT	2004/04/27 14:22
-	108	<pre>(bandwidth near3 (expan\$ or exten\$)) near4 (rate)</pre>	USPAT	2004/04/27 14:26
-	139	<pre>(bandwidth near3 (expan\$ or exten\$)) near4 (speed or rate)</pre>	USPAT	2004/04/27 14:29
-	164	704/\$.ccls. and (bandwidth near3 (expan\$ or exten\$))	USPAT	2004/04/27 14:32
-	37	704/\$.ccls. and (bandwidth near3 (expan\$ or exten\$)) same (speed or rate)	USPAT	2004/04/27 15:42
-	5	"5978759"	USPAT	2004/04/27 15:42
-	1	"6704711"	USPAT	2004/04/27 15:43
-	5	"644590"	USPAT	2004/04/27 15:43
-	1	"6449590"	USPAT	2004/04/27 15:48
-	1	"6675144"	USPAT	2004/04/27 16:47
-	257	((reproduction near signal) with (band or sub\$band))	USPAT	2004/04/27 16:47
-	151	<pre>((reproduction near signal) near7 (band or sub\$band))</pre>	USPAT	2004/04/27 16:47
_	0	<pre>((reproduction near signal) near7 (band or sub\$band)) and (music with speech with (cod\$ or encod\$))</pre>	USPAT	2004/04/27 16:48
-	2	((reproduction near signal) near7 ((first or second) near (band or sub\$band)))	USPAT	2004/04/27 16:57
-	20	"5778335"	USPAT	2004/04/27 17:00
-	142	<pre>celp and lpc and (inverse\$3 near3 filter\$) and synthesi\$ and (codebook or codevector\$</pre>	USPAT	2004/04/27 17:04
-	91	or (code near vector\$)) and residual celp and lpc and (inverse\$3 near3 filter\$) and synthesi\$ and (codebook or codevector\$ or (code near vector\$)) and (residual near (signal or parameter\$)) and (band\$ or	USPAT	2004/04/27 17:16

-	13	celp and lpc and (inverse\$3 near3 filter\$) and synthesi\$ and (codebook or codevector\$ or (code near vector\$)) and (residual near (signal or parameter\$)) and (band\$ or sub\$band\$) and (orthogon\$ near3 transform\$)	USPAT	2004/04/27 18:34
_	6	"5526464"	USPAT	2004/04/27 18:42
-	79	(music near4 speech near4 (encod\$ or cod\$))	USPAT	2004/04/27 18:43
-	21	(music near4 speech near4 (encod\$ or cod\$)) and celp and lpc	USPAT	2004/04/27 18:43
-	15	(music near4 speech near4 (encod\$ or cod\$)) and celp and lpc and @ad<19990615	USPAT	2004/04/27 18:53
-	19	· · · · · · · · · · · · · · · · · · ·	USPAT	2004/04/27 18:55
-	2	((multiband or mbe) near3 celp) and lpc and (codebook or codevector\$ or (code near vector\$)) and @ad<19990615	USPAT	2004/04/28 10:04
-	37	((multiband or mbe) and celp) and lpc and (codebook or codevector\$ or (code near	USPAT	2004/04/28 10:06
-	20	vector\$)) and @ad<19990615 ((multiband or mbe) and celp) and lpc and (codebook or codevector\$ or (code near vector\$)) and (inverse\$ near3 filter\$) and	USPAT	2004/04/28 10:07
-	14	<pre>@ad<19990615 ((multiband or mbe) and celp) and lpc and (codebook or codevector\$ or (code near vector\$)) and ((inverse\$ near3 filter\$)</pre>	USPAT	2004/04/28 10:45
		same (residual or residue\$)) and @ad<19990615		
_	14	"5812977"	USPAT	2004/04/28 10:44
-	65	((multiband or mbe or band\$ or sub\$band\$)	USPAT	2004/04/28 10:45
	100	and celp) and lpc and (codebook or codevector\$ or (code near vector\$)) and ((inverse\$ near3 filter\$) same (residual or residue\$)) and @ad<19990615	Mana	2004/04/00 10 45
-	183	<pre>((multiband or mbe or band\$ or sub\$band\$) and celp) and lpc and (codebook or codevector\$ or (code near vector\$)) and ((inverse\$ near3 filter\$) near "15" (residual or residue\$)) and @ad<19990615</pre>	USPAT	2004/04/28 10:46
-	58	((multiband or mbe or band\$ or sub\$band\$) and celp) and lpc and (codebook or codevector\$ or (code near vector\$)) and ((inverse\$ near3 filter\$) near10 (residual	USPAT	2004/04/28 10:54
-	65	or residue\$)) and @ad<19990615 ((linear near2 prediction near3 filter) same (residual\$ or residue\$)) and @ad<19990615	USPAT	2004/04/28 10:54
-	27	((linear near2 prediction near3 filter) same (residual\$ or residue\$)) and celp and	USPAT	2004/04/28 13:03
-	18	near3 transform\$) and celp and lpc and	USPAT	2004/04/28 13:13
-	18	codebook\$ and @ad<19990615 (inverse\$ near3 filter\$) and (orthogonal near3 transform\$) and celp and lpc and	USPAT	2004/04/28 15:35
-	5044	codebook\$ and synthesi\$ and @ad<19990615 ((add\$4 or sum\$6) with ((reproduction or synthesi\$) with signal\$1)) and	USPAT	2004/04/28 15:36
-	2226	@ad<19990615 ((add\$4 or sum\$6) near5 ((reproduction or synthesi\$) near5 signal\$1)) and @ad<19990615	USPAT	2004/04/28 15:37
-	66	((add\$4 or sum\$6) near5 ((reproduction or synthesi\$) near5 signal\$1)) and celp and	USPAT	2004/04/28 15:38
-	16	synthesi\$) near5 signal\$1)) and celp and lpc and codebook\$ and (multi\$band\$ or	USPAT	2004/04/28 15:42
L		sub\$band\$) and @ad<19990615		

-	16	((add\$4 or sum\$6) near5 ((reproduction or	USPAT	2004/04/28 15:43
		synthesi\$) near5 signal\$1)) and celp and		
		lpc and codebook\$ and (multi\$band\$ or mbe		1
		or mbc or mbcelp) and @ad<19990615		
-	3	(mbcelp) and @ad<19990615	USPAT	2004/04/28 15:45
_	1	(multiband near celp) and @ad<19990615	USPAT	2004/04/28 15:59
İ _	45	(speech near2 music near3 (cod\$ or decod\$	USPAT	2004/04/28 15:59
		or encod\$)) and @ad<19990615		
l	11	(speech near2 music near3 (cod\$ or decod\$	USPAT	2004/04/28 16:11
		or encod\$)) and celp and lpc and	001111	2001,01,20 20111
		@ad<19990615		
	2	((split\$band or (split\$4)) near celp) and	USPAT	2004/04/28 16:13
_	2	lpc and @ad<19990615	USFAI	2004/04/28 10.13
			HODAM	2004/04/20 12:54
-	3		USPAT	2004/04/29 12:54
	_	near3 celp) and @ad<19990615	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0004/04/00 16 16
-	0	MURASHIMa.in	USPAT	2004/04/28 16:16
-	0	MURASHIMa.in	USPAT	2004/04/28 16:16
-	61	MURASHIMa.in.	USPAT	2004/04/28 16:16
-	1	(((split\$band or multi or (split\$4 near	USPAT	2004/04/29 13:51
		band\$3)) near celp) or multi\$celp or mbe		
		or mbc or mbcelp) and (up\$sampl\$ and		
	•	(down\$sampl\$ or (down near sampl\$))) and		
		@ad<19990615		
-	1	(((split\$band or multi or (split\$4 near	USPAT	2004/04/29 13:57
ł		band\$3)) near celp) or multi\$celp or mbe		
		or mbc or mbcelp) and (up\$sampl\$ and		
		(down\$sampl\$ or (down near sampl\$))) and		1
		(synthesis near filter) and @ad<19990615		
_	3	lpc and celp and codebook\$ and (up\$sampl\$	USPAT	2004/04/29 13:59
		and (down\$sampl\$ or (down near sampl\$)))		1
		and (synthesis near filter) and		
		@ad<19990615		
_	59	¥	USPAT	2004/04/29 14:34
		sampl\$))) and (synthesis near filter) and		,,
		@ad<19990615		
-	5	(up\$sampl\$ and (down\$sampl\$ or (down near	USPAT	2004/04/29 14:01
		sampl\$))) and (synthesis near filter) and	001111	2001, 01, 25 11102
		celp and lpc and @ad<19990615		
_	53	(up\$sampl\$ and (down\$sampl\$ or (down near	USPAT	2004/04/29 14:36
		sampl\$))) and (synthesis near filter) and	JULAL	2004/04/25 14.30
		(encod\$ or cod\$) and @ad<19990615		
_	17		USPAT	2004/04/29 14:37
-	1	, , ,	USPAI	2004/04/29 14:37
		(down\$sampl\$ or (down near sampl\$))) and		
		(synthesis near filter) and (encod\$ or		
L	L	cod\$) and @ad<19990615	1	